

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

MULT
804

WATER WELL REPORT

STATE OF OREGON
(Please type or print)

(Do not write above this line)

RECEIVED

AUG 22 1973

State Well No. 1N/1W-13

STATE ENGINEER
SALEM, OREGON

State Permit No. _____

(1) OWNER:

Name Liquid Air, Inc.
Address 3200 N. W. Yeon
Portland, Oregon 97210

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
8 1/2" Diam. from 0 ft. to 83 ft. Gage .250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? Yes No.
Type of perforator used _____
Size of perforations in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Yield: 222 gal./min. with 232 ft. drawdown after 1 hrs.
222 " 182 " 1 "
200 " 132 " 1 "
175 " 82 " 1 "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 82 ft.
Diameter of well bore to bottom of seal 12-1/4 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 10 sacks
Number of sacks of bentonite used in well seal 0 sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons
of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Multnomah Driller's well number _____
1/4 1/4 Section 13 T. 1 N. R. 1 W. W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 200 ft.
Static level 18 ft. below land surface. Date 8/15/73
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 8"
Depth drilled 302 ft. Depth of completed well 302 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Fill, junk, rock & dirt	0	22	
Black sand	22	50	
Brown sand	50	72	
Cobbles & gravel	72	75	
Hard rock	75	113	
Decomposed rock	113	117	
Brown & gray rock	117	124	
Hard gray rock	124	190	
Black/strks grn, red, brown	190	195	
Brown, hard & broken	195	200	50 gpm
Hard gray, occ fractured zone	200	293	52 gpm
Hard broken rock	293	302	120 gpm

Work started 8/9/73 19 Completed 8/15/73 19
Date well drilling machine moved off of well 8/15/73 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Herbert Hummerkamp Date 8/15/73 19
(Drilling Machine Operator)

Drilling Machine Operator's License No. 235

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name A. M. Janssen Drilling Co.
(Person, firm or corporation) (Type or print)

Address 21075 S.W. Tualatin Valley Hwy. Aloha, Ore.

[Signed] Edward M. Janssen
(Water Well Contractor)

Contractor's License No. 79 Date 8/15/73, 19____